

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A recording system for recording a broadcasting program comprising:

a channel demodulating part configured to receive and demodulate the broadcasting program on a particular channel;

a storage medium configured to ~~store~~record the broadcasting program;

a controller configured to ~~initialize~~select the broadcasting program from among a plurality of broadcasting programs scheduled to be recorded onto the storage medium starting at a same time, to set a value for an identifying information corresponding to the selected broadcasting program to a first value when the selected broadcasting program first starts to be recorded on the storage medium, to set a value for identifying information corresponding to non-selected broadcasting programs to the first value for identifying a success and a failure of recording of each of more than one broadcasting programs, when recordings of the more than one broadcasting programs are scheduled at the same time, to select a single broadcasting program among the more than one broadcasting programs and control to record the selected broadcasting program, and to change the value of the identifying information of the single corresponding to the selected broadcasting program to a second value when the selected broadcasting program is successfully recorded onto the storage medium or maintain the value of the identifying information corresponding to the selected broadcasting program to the first value when the selected broadcasting program fails to be successfully recorded onto the storage medium~~if the recording of the single broadcasting program is successful; and~~

a recording processing part configured to store ~~[[the]]~~ identifying information, recording start time, recording end time and channel information corresponding to broadcasting programs scheduled to be recorded onto the storage medium, to identify~~read~~ the identifying information of ~~the corresponding to broadcasting programs scheduled to be recorded onto the storage medium, and to automatically request a network server for the re-transmission of the broadcasting programs through a network when the identification information of broadcasting programs is not changed a broadcasting program whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program,~~

wherein the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted.

2. (Previously Presented) The recording system as claimed in claim 1, wherein the channel demodulating part includes:

a channel receiving part configured to tune to and demodulate a broadcasting signal on a particular channel, and to forward in a form of a transport TP stream; and

a TP processing part configured to split the TP stream from the channel receiving part into an audio PES stream, a video PES stream, and a data stream.

3. (Previously Presented) The recording system as claimed in claim 1, wherein the storage medium is a hard disc.

4-6. (Canceled)

7. (Currently Amended) The recording system as claimed in ~~claim 6~~ claim 1, wherein the ~~upload/download controlling part is further configured to set the first-first value of the~~ identifying information value to set by the controller is '1', and ~~to reset the second value of the~~ identifying information value to set by the controller is '0'.

8. (Previously Presented) The recording system as claimed in claim 1, wherein the recording processing part includes:

a recording parameter storage part configured to store the identifying information and information on the broadcasting program intended to be recorded; and

a network interface part configured to identify the identifying information, to request the re-transmission of the broadcasting program intended to be recorded through the network when recording of the broadcasting program intended to be recorded fails.

9. (Previously Presented) The recording system as claimed in claim 8, wherein the recording parameter storage part is a ROM (read-only memory).

10. (Previously Presented) The recording system as claimed in claim 8, wherein the recording parameter storage part includes one bit of an identifying information field, 20 bits of a record starting time field, 20 bits of a record end time field, and 7 bits of a channel information field.

11. (Previously Presented) The recording system as claimed in claim 10, wherein the record starting time field or the record end time field includes 4 bits of a month field, 5 bits of a day field, 5 bits of an hour field, and 6 bits of a minute field.

12. (Previously Presented) The recording system as claimed in claim 8, wherein the network interface part includes at least one of a LAN Card and a MODEM.

13. (Previously Presented) The recording system as claimed in claim 8, wherein the network interface part is further configured to be connected to a program server or a broadcasting station for communication.

14. (Currently Amended) A method for recording a broadcasting program in a recording system having a storage medium for storing the broadcasting program intended to record, and a recording processing part having a recording parameter storage part and a network interface part, the method comprising:

selecting a broadcasting program from among a plurality of broadcasting programs scheduled to be recorded on the storage medium at a same time;

setting a value for an identifying information corresponding to the selected broadcasting program to a first value, setting a value for identifying information corresponding to the non-selected broadcasting programs to the first value, and storing information corresponding to the broadcasting programs scheduled to be recorded on the storage medium in the recording processing part, wherein the identifying information corresponding to the selected broadcasting program and non-selected broadcasting programs are also stored in the recording processing part;

recording parameter field at the recording parameter storage part, storing information on each of more than one broadcasting programs and identifying information for identifying a

~~success and a failure of recording of each of the more than one broadcasting programs when recordings of the more than one broadcasting programs are scheduled at the same time;~~

~~selecting a single broadcasting program among the more than one broadcasting programs;~~

recording the selected single broadcasting program on the storage medium according to the information on the single selected broadcasting program;

determining the success of the recording of the selected broadcasting program;

changing the value of the identifying information of the single corresponding to the selected broadcasting program to a second value if the recording of the single selected broadcasting program is successful, and maintaining the value of the identifying information corresponding to the selected broadcasting program to the first value if the recording of the selected broadcasting program fails; and

~~determining the success of the recordings of the broadcasting program according to whether the identifying information of the broadcasting programs is changed; and~~

if the recordings of the broadcasting programs fail as a result of the determination, automatically requesting re-transmission to a network server for a broadcasting program whose previous attempt at recording onto the storage medium failed and without waiting for the network server to rebroadcast the program,

wherein the request to the network server includes a recording start time, recording end time and channel information for the broadcast program requested to be re-transmitted of the broadcasting programs through the network interface part.

15. (Currently Amended) The method as claimed in claim 14, wherein ~~the user's~~ recording setting information is information related to stored in the recording processing part that includes at least one of a recording operation, a scheduled recording operation, and a time shift operation.

16. (Currently Amended) The method as claimed in claim 14, wherein ~~the recording a~~ recording parameter field stored in the recording processing part includes one bit of an identifying information field, 20 bits of a record starting time field, 20 bits of a record end time field, and 7 bits of a channel information field.

17. (Previously Presented) The method as claimed in claim 16, wherein the record starting time field or the record end time field includes 4 bits of a month field, 5 bits of a day field, 5 bits of an hour field, and 6 bits of a minute field.

18. (Previously Presented) The method as claimed in claim 14, wherein the information on the broadcasting program includes channel information, a record starting time, and a record end time of the recording program, and the record starting time is a starting time of the program intended to record in a case of the scheduled recording, and a time when a recording/time shift button is pressed in a case of a direct recording or a time shift operation.

19. (Canceled)

20. (Currently Amended) The method as claimed in ~~claim 19, wherein the step (b) further includes claim 14, further comprising:~~

~~resetting the value of the identifying information of the single corresponding to the selected broadcasting program to '0' if the recording is successful as a result of the determination; and~~

~~controlling to maintain the value of the identifying information of the single corresponding to the selected broadcasting program to '1' if the recording fails.~~

21. (Currently Amended) The method as claimed in claim 19, further comprising:
changing the value of the identifying information of the single corresponding to the selected broadcasting program to the second value if there is a user's record stop request.

22. (Canceled)

23. (Currently Amended) The method as claimed in claim 14, further comprising:
transmitting the information on the selected broadcasting program having recording thereof failed to a program server or a broadcasting station; and
re-receiving the selected broadcasting program having recording thereof failed from the program server or the broadcasting station, and recording the broadcasting program having

recording thereof failed, after the step of requesting re-transmission of the broadcasting programs.

24. (Original) The method as claimed in claim 23, wherein the information on the transmitted broadcasting program is a program ID for matching to the program.

25-26. (Canceled)

27. (Currently Amended) The method as claimed in claim 14, further comprising:
if the recording of the selected broadcasting program fails as a result of the determination, renewing the information on the selected broadcasting program stored in the recording parameter storage part.

28. (Currently Amended) The method as claimed in claim 27, wherein the step of renewing the information on the selected broadcasting program stored in the recording parameter storage part further includes:

re-receiving program related information from the program server or the broadcasting station; and

overwriting the program related information on a relevant position of the recording parameter storage part, and scheduling writing of the program automatically by using a stored record starting time, and a record end time.

29. (Previously Presented) The method as claimed in claim 28, wherein the overwritten program related information includes channel information, a record starting time, and a record end time of a recording program.

30. (Canceled)